

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE PATENT TRANSMITTAL FORM

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Singer et al.

Serial No.:

10/755,846

Filed:

January 12, 2004

For:

ILLUMINATION SYSTEM WITH A PLURALITY OF LIGHT SOURCES

Art Unit:

2881

Examiner:

Not Yet Assigned

Customer No.:

27623

Attorney Docket No.: 637.0003USQ

Respectfully submitted.

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

We are enclosing:

- 1. Information Disclosure Statement with copies of references;
- 2. PTO Form 1449;
- 3. Transmittal letter in duplicate; and
- 4. Postcard.

Please charge any additional fees or credit any such fees, if necessary to Deposit Account No. 01-0467 in the name of Ohlandt, Greeley, Ruggiero & Perle. A duplicate copy of this sheet is attached.

Date: July 26, 2004

Charles N.J. Rugglero
Reg. No. 28,468
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.
One Landmark Square, 10th Floor
Stamford, Connecticut 06901-2682
(203) 327-4500

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: MAIL STOP AMENDMENT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON JULY 26, 2004.

Jeffrey J. Scepanski

NAME

July J. NayuM

07/26/04

DATE



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INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with applicants' duty of disclosure under 37 C.F.R. §1.56, we are enclosing Form PTO-1449 listing information that may be material to the patentability of this application.

We are also enclosing a copy of each of the following citations that are listed on pages 1-2 of the enclosed Form PTO-1449:

U.S. Patent(s): 6,195,201; 6,064,072; 6,396,068; 6,353,470;

U.S. Patent Application(s): 2002/0186811; 2003/0095623; 2003/0043455

European Patent(s): 1434240 A1 (App. No. 99106348.8)

PCT Publication(s): WO 99/57732 (App. No. PCT/EP99/02999)

Articles:

Marc A. Klosner and William T. Silfvast, "High-temperature lithium metal-vapor capillary discharge extreme-ultraviolet source at 13,5 nm" in Applied Optics, Vol. 39, No. 21, July 20, 2000, pp. 3678 – 3682;

Hynn-Joon Shin, Dong-Eon Kim, Tong-Nyong Jee, "Soft X-Ray amplification in a capillary discharge" in Physical Review E, Vol. 50, No. 2 (1994), pp. 1376–1382;

M.A. Klosner et al., Applied Optics Vol. 40, p 4849 - 4851 (2001);

The remaining citations listed on pages 3-7 of the enclosed Form PTO-1449 were either (1) cited by or (2) submitted to the Patent and Trademark Office in priority application Serial No. 09/305,017, filed May 4, 1999, which issued as U.S. Patent No. 6,198,793; Serial No. 09/679,718, filed September 29, 2000, which issued as U.S. Patent No. 6,438,199; Serial No. 10/150,650, filed May 17, 2002; Serial No. 10/201,652, filed July 22, 2002, Serial No. 10/429,927, filed May 5, 2003; and Serial No. 09/627,559, filed July 27, 2000, which issued as U.S. Patent No. 6,570,168. Accordingly, copies of the following references have not been submitted herewith. (37 C.F.R. §1.98(d)).

It should be understood that attention has been called to the citations that have been deemed to be pertinent to the claimed present invention. In concluding what was pertinent, the criteria employed was considered most appropriate in light of the invention shown in the present application. However, the Examiner or others may

deem some other criteria to be just as appropriate or more appropriate. Therefore, the Examiner is respectfully urged to review the listed citations and to make the usual careful independent search for other prior art that may be pertinent.

Since this Information Disclosure Statement is being filed prior to the issuance of the first Office Action based on the merits, no petition or fee is required.

Applicants respectfully request favorable consideration and that this application be passed to allowance.

Respectfully submitted

Charles N.J. Ruggiero

Reg. No. 28,468

Attorney for Applicant(s)

Ohlandt, Greeley, Ruggiero & Perle, L.L.P.

One Landmark Square, 10th Floor

Stamford, CT 06901-2682

(203) 327-4500

FOREIGN PATENT DOCUMENTS

					Trans	lation
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
EP 1434240 A1 (99106348.8)	6/04	Europe				Х
WO 99/57732 (PCT/EP99/02999)	11/99	PCT				Х

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

Marc A. Klosner and William T. Silfvast, "High-temperature lithium metal-vapor capillary discharge extreme-ultraviolet source at 13,5 nm" in Applied Optics, Vol. 39, No. 21, July 20, 2000, pp. 3678 - 3682

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Hynn-Joon Shin, Dong-Eon Kim, Tong-Nyong Jee, "Soft X-Ray amplification in a capillary discharge" in Physical Review E, Vol. 50, No. 2 (1994), pp. 1376 - 1382

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant,

CUSTOMER NO.: 27623 Sheet 2 of 7. FORM PTO-1449

Docket Number (Optional)	Application Number	
637.0003USQ	10/755,846	
Applicant		
Singer et al.		
Filing Date	Group Art Unit	

INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) 2881 01/12/2004 **U. S. PATENT DOCUMENTS EXAMINER** FILING DATE IF INITIAL **DOCUMENT** DATE CLASS NAME SUBCLASS **APPROPRIATE** NUMBER 2003/0043455 03/03 Singer et al. 359 357 FOREIGN PATENT DOCUMENTS Translation DOCUMENT DATE COUNTRY CLASS YES **SUBCLASS** NO NUMBER OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) **EXAMINER** DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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		U.	S. PATEN	T DOCUMENTS			_			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	S SUBCLASS		FILING DATE IF APPROPRIATE		
	4,195,913	4/1/80	Dourte et al		350		292			
	4,294,538	10/13/81	Ban		355		51			
_	4,389,115	6/21/83	Richter		355		26			
	4,651,012	3/17/87	Clark et al.		250		505.1			
	4,740,276	4/26/88	Marmo et a	1.	204		7			
	5,148,442	9/15/92	O'Neil et a	l.	372		71			
	5,222,112	6/22/93	Terasawa e	t al.	378		34			
49	- 5,353,322	10/4/94	Bruning et	al.	378	3	34			
	5,339,346	8/16/94	White		378		34			
	5,361,292	11/1/94	Sweatt	378	3	34				
	5,402,267	3/28/95	Fürter et al	359)	727				
	5,439,781	8/8/95	MacDowel	l et al.	460)	311			
		FOF	REIGN PAT	ENT DOCUMENTS	3					
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	DOCUMENT NUMBER	DATE	ļ	COUNTRY	CLASS	SS	SUBCLASS	YES	NO	
	0066295 A1	12/8/82	Europe					Yes		
	0359018 A2	3/21/90	Europe	-					No	
	0939341 A2	9/1/99	Europe					Yes		
	1026547A2	8/9/00	Europe					Yes	<u> </u>	
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	OTHE	R DOCU	MENTS (inc	luding Author, Title, Date, Pe	rtinent Pa	ges, l	Etc.)			
				Sources and Conden 1. 32, No. 34, pp.6920						
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FORM PTO-1449 Docket Number (Optional) Application Number 10/755,846 637.0003USQ INFORMATION DISCLOSURE CITATION Applicant IN AN APPLICATION Singer et al. Filing Date **Group Art Unit** 01/12/2004 2881 (Use several sheets if necessary) U. S. PATENT DOCUMENTS **EXAMINER** FILING DATE IF INITIAL DOCUMENT DATE NAME **CLASS** SUBCLASS **APPROPRIATE** NUMBER 5,440,423 8/8/95 Ogura 359 365 5,512,759 4/30/96 Sweatt 250 492.1 5,581,605 12/3/96 Murakami et al. 378 84 5,647,664 .7/15/97 Hanečka 362 308 5,669,708 Mashima et al. 9/23/97 362 341 5,677,939 Oshino 10/14/97 34 378 5,737,137 4/7/98 Cohen et al. 359 859 5,755,503 5/26/98 Chen et al. 353 38 5,896,438 4/20/99 Miyake et al. 378 34 5,993,010 11/30/99 Ohzawa et al. 99 353 5,995,582 11/30/99 Terashima et al. 378 34 6,233,039 5/01 Yen et al. 6,310,679 10/01 Shiraishi FOREIGN PATENT DOCUMENTS **Translation** DOCUMENT DATE COUNTRY CLASS SUBCLASS YES NUMBER 11044920A 2/99 Japan 403111806A 5/91 Japan 406265887A 9/94 Japan 1072957 7/00 Europe OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) "The Optics of Spectroscopy", Section 3: "Spectrometer Throughout and Etendue", downloaded from the internet Website: wysiwyg://18/httpwww./jyhoriba.co.uk/jy/oos/oos_ch3.htm. **EXAMINER** DATE CONSIDERED EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through Citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Sheet 5 of 7,

FORM PTO-1	449	Docket Number (Optional) Application Number					$\overline{}$		
		637.0003USQ 10/755,846							
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		U	. S. PATEN	T DOCUMENTS					
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	2001/0030740	10/01	Mori et al.						
	2002/0009178	Jan 2002	Dinger et al						
	2002/0041368	04/02	Ota et al.						
	RE38,438	2/04	Takahashi						
	4,688,932	8/87	Suzuki						
	5,071,240	12/91	Ichihara et a	al.		-			
	5,459,547	10/95	Shiozawa Takahashi et al.						
	5,715,084	2/98							
	5,796,524	8/98	Oómura						
. <u> </u>	5,805,356	9/98	Chiba						
	5,846,678	12/98	Nishigori e	t al.					
	5,963,305	10/99	Mizouchi						
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	6,081,319	6/00	Ozawa et al		-					
	6,198,793	3/01	Schultz et a	1.						
	6,208,707	3/01	Oshino	· · · · · · · · · · · · · · · · · · ·		-				
	6,229,647	5/01	Takahashi e	et al.			_			
	6,236,449	5/01	Tanitsu							
	6,266,389	7/01	Murayama	et al.						
	6,268,904	7/01	Mori et al.							
	6,325,514	12/01	Yamamoto						· · · · · · · ·	
	6,335,786	01/2002	Shiraisi							
	6,339,467	01/2002	Sato							
	6,400,794	6/02	Schultz et a	ıl.						
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